Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/12/2021 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126203	0	1.27	126102	1.26
Blue	F	SSC	125000	123509	-2	2.28	123861	2.11
Blue	E	FITC	13131	12879	-2	2.34	297	15.68
Blue	D	PE	24112	24047	-1	1.77	552	10.75
Blue	B	PerCP-Cy5-5	31295	30966	-2	3.03	1028	14.25
Blue	A	PE-Cy7	19939	19954	0	5.16	534	29.02
Red	C	APC	42122	41100	-3	2.87	1723	11.32
Red	A	APC-Cy7	22340	21820	-3	3.13	813	11.44
Violet	B	V450	7410	7089	-5	3.18	429	12.15
Violet	A	V500	28118	26810	-5	2.73	667	9.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23334	1.55	567	-2	N/A	N/A	Pass
Blue	F	SSC	57737	1.09	520	8	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	-1	0.0398	86	Pass
Blue	D	PE	115	36.61	489	1	0.4004	286	Pass
Blue	B	PerCP-Cy5-5	190	35.67	585	-1	0.0209	90	Pass
Blue	A	PE-Cy7	108	68.28	628	0	0.0224	7	Pass
Red	C	APC	398	23.79	579	3	0.0281	175	Pass
Red	A	APC-Cy7	184	27.68	555	4	0.0068	1514	Pass
Violet	B	V450	60	61.77	462	9	0.0649	2245	Pass
Violet	A	V500	96	30.89	473	8	0.0269	426	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.59	-31.38	1.01
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.97	13.60 - 20.40	N/A	N/A	29.88	30.00	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12040

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments